

Concentrations of select organochlorine pesticides, total polychlorinated biphenyls (PCBs), and select polybrominated diphenyl ethers (PBDEs) measured by semipermeable membrane devices (SPMD) in the McKenzie River basin, Oregon, during September-October 2007.

[ng/SPMD, nanograms of chemical per deployed SPMD; MDL, method detection limit; MQL, method quantitation limit; "<" compound not present at MDL; NQ, not quantified--compound detected at a level less than the MQL.]

| | Water Treatment Plant Inlet A (ng/SPMD) | Water Treatment Plant Inlet B (ng/SPMD) | Cedar Creek A (ng/SPMD) | Cedar Creek B (ng/SPMD) | Camp Creek A (ng/SPMD) | Camp Creek B (ng/SPMD) | MDL (ng/SPMD) | MQL (ng/SPMD) |
|-----------------------------------|---|---|----------------------------|----------------------------|---------------------------|---------------------------|------------------|------------------|
| Trifluralin | NQ | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.1 | 0.3 |
| Hexachlorobenzene (HCB) | <0.62 | NQ | NQ | NQ | <0.62 | <0.62 | 0.6 | 1.8 |
| Pentachloroanisole (PCA) | 5.9 | 7.3 | 20 | 18 | 21 | 18 | 0.9 | 2.2 |
| Tefluthrin | <3.8 | NQ | <3.8 | <3.8 | <3.8 | <3.8 | 3.8 | 8.1 |
| alpha-Benzenehexachloride (a-BHC) | <1.9 | <1.9 | <1.9 | <1.9 | NQ | <1.9 | 1.9 | 2.5 |
| Diazinon | <0.25 | <0.25 | <0.25 | <0.25 | <0.25 | <0.25 | 0.3 | 1.3 |
| Lindane | <3.2 | <3.2 | <3.2 | <3.2 | <3.2 | <3.2 | 3.2 | 6.0 |
| beta-Benzenehexachloride (b-BHC) | <2.6 | <2.6 | <2.6 | <2.6 | <2.6 | <2.6 | 2.6 | 6.2 |
| Heptachlor | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.2 | 1.0 |
| delta-Benzenehexachloride (d-BHC) | NQ | <2.6 | <2.6 | NQ | <2.6 | <2.6 | 2.6 | 3.4 |
| Dacthal | <0.27 | NQ | NQ | NQ | NQ | NQ | 0.3 | 1.0 |
| Chlorpyrifos | NQ | <0.53 | <0.53 | NQ | <0.53 | NQ | 0.5 | 1.5 |
| Oxychlordane | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.2 | 1.0 |
| Heptachlor Epoxide | NQ | NQ | <0.20 | <0.20 | <0.20 | NQ | 0.2 | 1.0 |
| trans-Chlordane | NQ | NQ | NQ | NQ | NQ | 1.9 | 0.7 | 1.2 |
| trans-Nonachlor | <0.20 | <0.20 | NQ | NQ | <0.20 | 1.1 | 0.2 | 1.0 |
| o,p'-DDE | <2.2 | <2.2 | <2.2 | <2.2 | <2.2 | <2.2 | 2.2 | 5.6 |
| cis-Chlordane | <1.2 | <1.2 | <1.2 | <1.2 | <1.2 | 2 | 1.2 | 3.0 |
| Endosulfan | <0.20 | <0.20 | NQ | NQ | NQ | 2.5 | 0.2 | 1.0 |
| p,p'-DDE | <6.6 | <6.6 | NQ | NQ | <6.6 | NQ | 6.6 | 8.3 |
| Dieldrin | <1.5 | <1.5 | NQ | NQ | <1.5 | <1.5 | 1.5 | 3.0 |
| o,p'-DDD | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 | 13.3 |
| Endrin | <1.1 | <1.1 | <1.1 | <1.1 | <1.1 | <1.1 | 1.1 | 3.4 |
| cis-Nonachlor | NQ | <0.44 | <0.44 | <0.44 | <0.44 | <0.44 | 0.4 | 1.2 |
| o,p'-DDT | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.2 | 1.0 |
| p,p'-DDD | <2.9 | <2.9 | NQ | NQ | <2.9 | <2.9 | 2.9 | 6.7 |
| Endosulfan-II | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.2 | 1.0 |
| p,p'-DDT | NQ | NQ | NQ | NQ | 2.3 | NQ | 1.7 | 2.2 |
| Endosulfan Sulfate | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | NQ | 0.2 | 1.0 |
| p,p'-Methoxychlor | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 | 10.0 |
| Mirex | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.2 | 1.0 |
| cis-Permethrin | <18 | <18 | <18 | <18 | <18 | <18 | 18.1 | 51.6 |
| trans-Permethrin | <5.5 | <5.5 | <5.5 | <5.5 | <5.5 | <5.5 | 5.5 | 16.5 |
| Total PCBs | <40 | <40 | <40 | <40 | <40 | <40 | 40 | 200 |
| PBDE-28 | NQ | <0.46 | <0.46 | <0.46 | <0.46 | <0.46 | 0.5 | 1.0 |
| PBDE-47 | <3.6 | <3.6 | <3.6 | <3.6 | <3.6 | <3.6 | 3.6 | 8.2 |
| PBDE-99 | <2.1 | <2.1 | <2.1 | <2.1 | <2.1 | <2.1 | 2.1 | 3.7 |
| PBDE-100 | <0.82 | <0.82 | <0.82 | <0.82 | <0.82 | <0.82 | 0.8 | 2.3 |
| PBDE-153 | <0.23 | <0.23 | <0.23 | <0.23 | <0.23 | <0.23 | 0.2 | 1.0 |